











Third Wildau Symposium
RFID and Media
October 2010



RFID technology implemented in different Spanish libraries.
The CSIC's Tomás Navarro Tomás Library case

Summary

-  Introduction
-  RFID in Tomás Navarro Tomás Library
-  RFID in other Spanish libraries
 -  Public libraries
 -  University libraries
 -  Specilized libraries
-  Near future
-  Spanish bibliography about RFID
-  Libraries web pages
-  Conclusion

CSIC and Tomás Navarro Tomás Library



- Research State Agency (2007)
- 116 institutes
- 6% Spanish research community
- 10.600 staff (5.000 scientists)
- 879 M € budget 2008 (2/3 MCIIN, 1/3 other)
- Collaborates national and internationally with : university+industry for a technological and scientific policy
- Organisation based on 8 scientific areas
- CSIC scientific production represents 20% of ISI Spanish representation
- CSIC Library Network
 - 78 libraries
 - 1.724.000 items/71.000 serials
 - 13.000 e-journals
 - 197.000 e-books
 - 8,5 M €

CSIC and Tomás Navarro Tomás Library

- 📖 In 2005, CSIC decided to create a new Centre for Human and Social Sciences with a modern and technologically developed library.
- 📖 CSIC wanted to offer innovative 21st century services with very little intermediation.
- 📖 And to allow the user a direct and self managed relationship with the library collection.
- 📖 After studying different technologies, RFID was selected.
- 📖 On June 2006, started the process to create the new Centre and particularly the Tomás Navarro Tomás Library.

Centre for Human and Social Sciences



Tomás Navarro Tomás Library

📖 On January 2008, we opened the library.



Tomás Navarro Tomás Library

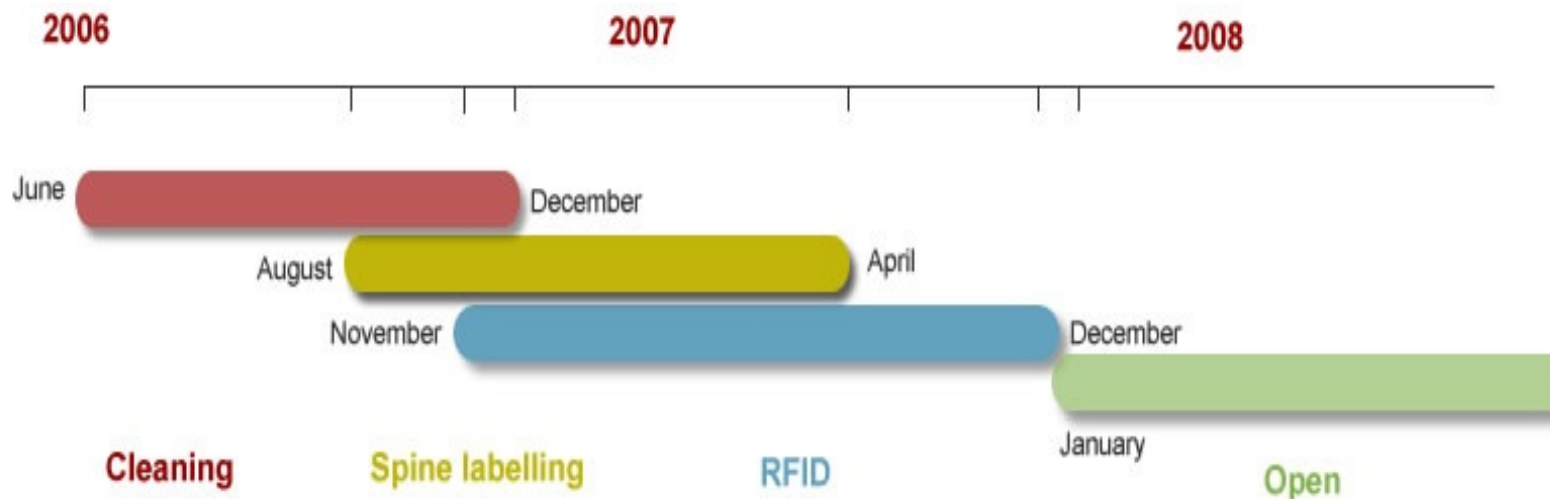
- 📖 Tomás Navarro Tomás Library is a research library specialized in Human and Social Sciences.
- 📖 It's the result of the fusion of 8 specialized CSIC libraries in Madrid.
- 📖 Offers a very large collection:
 - 📖 Physical collection (1.000.000 items)
 - 📖 350.000 items in self service.
 - 📖 400.000 in storages.
 - 📖 250.000 journal issues.
 - 📖 Electronic collection (more than 5.000 titles)
 - 📖 Digital collection (about 1.000 items)
- 📖 Offers specialized services.

Tomás Navarro Tomás Library

- 📖 Opened: January 2008
- 📖 RFID implementation: 2006-2008
- 📖 RFID system: Bibliotheca
- 📖 Library system: Aleph
- 📖 RFID elements:
 - 📖 4 BiblioSelfChecks
 - 📖 1 BiblioReturn
 - 📖 3 Bibliowands
 - 📖 3 BiblioGates (1 doble and 2 simples)
 - 📖 12 StaffStations
 - 📖 1 cards printer

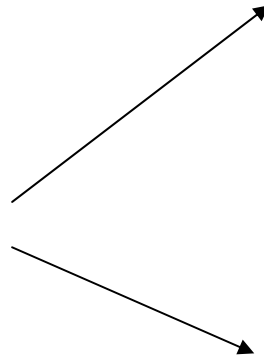
Tomás Navarro Tomás Library

- 📖 RFID collection: 350.000 items (the self services section)
- 📖 Prize: 700.000 euros
- 📖 Time: 18 months

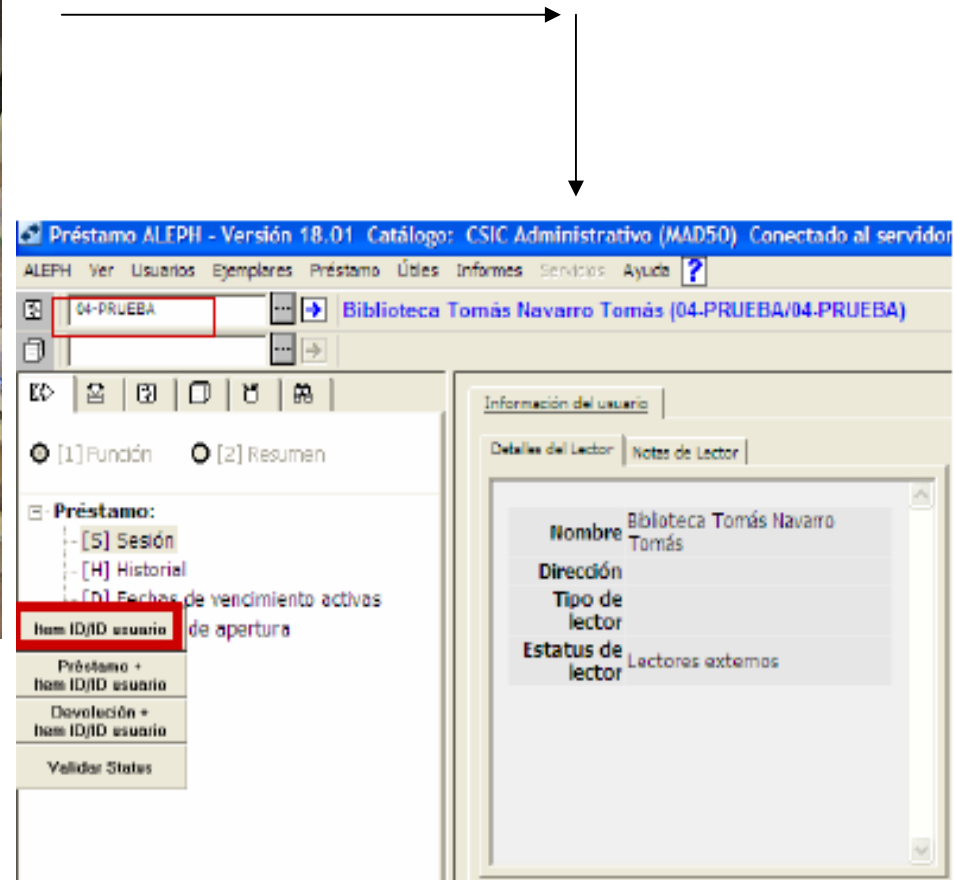


Tomás Navarro Tomás Library

📖 Process:



Tomás Navarro Tomás Library



Tomás Navarro Tomás Library



Tomás Navarro Tomás Library



RFID in services

📖 Services (2009)

📖 Lending: 25.483

📖 Return: 24.483

📖 Renovation: 10.792

📖 Users information: ?



RFID in technical processes



- 📖 Cataloging
- 📖 Clasifying
- 📖 Spine labelling
- 📖 RFID Identification:
 - 📖 10.000 books/year
 - 📖 15.000 Issues +/-
 - 📖 Media (not yet)
- 📖 Tags model:
 - 📖 Data Model 60

RFID in security and inventory

📖 Bibliogates

📖 Bibliowand for the inventory (not yet)



Tomás Navarro Tomás experience

- 📖 RFID has been a very important change in services.
- 📖 Users feel independent.
- 📖 Librarians have time for non mechanical processes.
- 📖 Users and librarians feel the innovation.
- 📖 Very easy to work with / to use.
- 📖 Very well connected with the library system (aleph)
Using SIP2 protocol.
- 📖 Biblioselfcheck software is very versatile.
- 📖 RFID has contributed to create a new, actual, innovative and technological idea of our library.

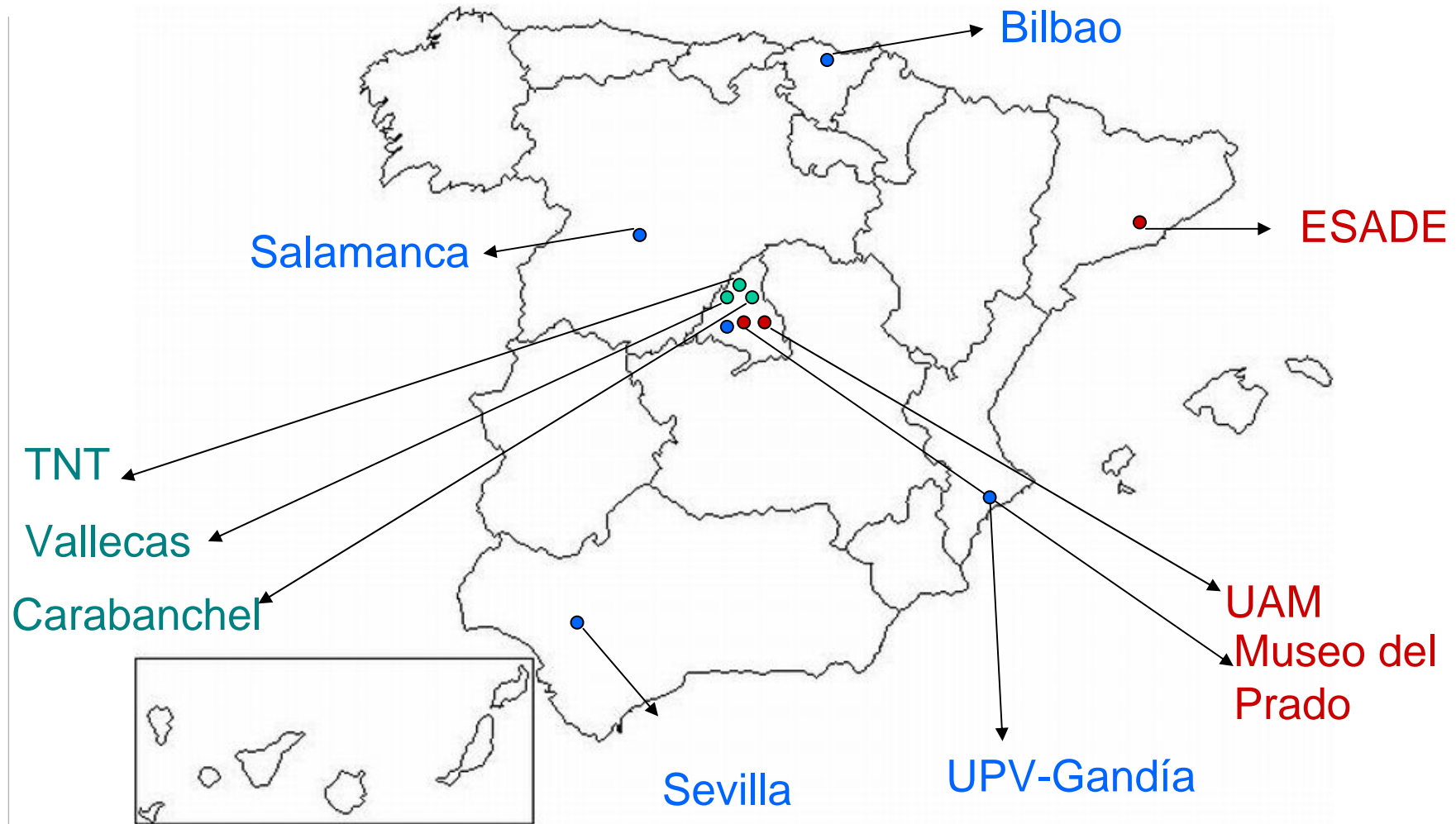
Tomás Navarro Tomás experience

- 📖 It is a very expensive technology.
- 📖 It needs preparation (including tags in the collection)
- 📖 Biblioselfcheck and BiblioReturn printers are very sensible and we have had mechanical problems.
- 📖 Library needs technical support. Any change or problem should be done or solved by technicians.
- 📖 We have just started with Bibliowand. Ours units doesn't read tags properly.

RFID in Spanish libraries

- 📖 In 2006 Spanish libraries started to implement RFID.
- 📖 In 2008 only two new libraries opened to users with RFID technology aplicated to services and processes:
 - 📖 Tomás Navarro Tomás Library (CCHS-CSIC)
 - 📖 Luis Martín Santos (Public Library in Vallecas, Madrid)
- 📖 In 2010 there are six libraries with RFID technology:
 - 📖 Two public libraries
 - 📖 Two university libraries
 - 📖 Two specialized libraries
- 📖 Some other institutions are studying how to implement RFID.

RFID in Spanish libraries



RFID in Madrid Public Libraries

- 📖 Madrid Public Libraries Network decided to implement RFID technology in services and processes in 2006.
- 📖 They had to maintain the barcode with RFID.
- 📖 They were specially interested in RFID for media documents.
- 📖 Their users are basically: children, elderly people, students, etc.



Luis Martín Santos Library (Vallecas, Madrid)

- 📖 Opened: July 2008
- 📖 RFID implementation: 2008
- 📖 RFID system: NEDAP
- 📖 Library system: Absys
- 📖 RFID elements:
 - 📖 2 BiblioSelfChecks
 - 📖 1 BiblioReturn
 - 📖 2 Quickscans
 - 📖 8 BiblioGates
 - 📖 1 Intelligent shelf
 - 📖 2 StaffStations
- 📖 They use an hibrid system:
 - 📖 Barcode / RFID



Luis Martín Santos Library (Vallecas, Madrid)

📖 Collection: 69.000 items.

📖 Tags were codified and activated by an external company before opening the library.

📖 Tags are prepared by the librarians nowadays.



Luis Rosales Library (Carabanchel, Madrid)

- 📖 **Opened:** in July 2008
- 📖 **RFID implementation:** NEDAP
- 📖 **Library system:** Absys
- 📖 **RFID elements:**
 - 📖 4 BiblioSelfChecks
 - 📖 1 BiblioReturn
 - 📖 1 Quickscan
 - 📖 3 BiblioGates
 - 📖 2 Intelligent shelves
 - 📖 4 StaffStations
- 📖 **They use RFID for users identification**



Luis Rosales Library (Carabanchel, Madrid)

📖 Collection: 79.500 items.

📖 They have a very large collection of media



📖 They use the same system to activate tags

Universidad Autónoma de Madrid



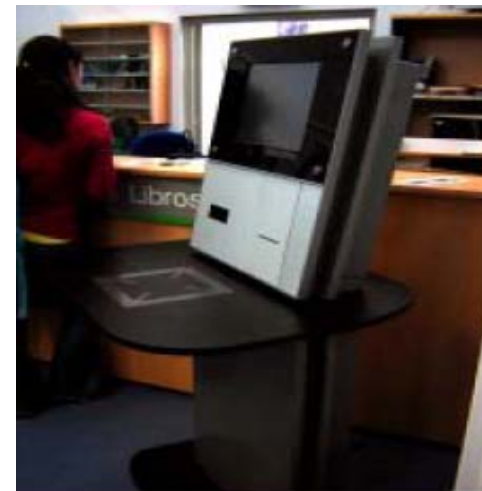
UAM is one of the biggest Universities in Spain.
It's part of a Campus of International Excellence with CSIC.

RFID in the library:
2008: Psychology library
2009: Laws and Humanities Library
2010: Science Library
2011: Economy and Medicine Libraries




Universidad Autónoma de Madrid


- 📖 RFID system: Bibliotheca
- 📖 Library system: Millenium
- 📖 RFID elements:
 - 📖 1 BiblioSelfCheck
 - 📖 8 StaffStation
 - 📖 1 BiblioGate
- 📖 Collection: 300.000 items.
- 📖 Hibrid system with Barcode



Universidad Autónoma de Madrid

Process:

 Librarians prepare the TAGS for the collection.

 The RFID system is incorporated in new items in the processing department.



ESADE (Sant Cugat del Vallès, Barcelona)

📖 ESADE: Law and business
school. Ramon Llull University



📖 Opened: 2009

📖 RFID implementation: 2009

📖 RFID system: Bibliotheca

📖 Library system: Millenium

📖 Collection: 5.000 items

📖 Hibrid system:
RFID / Electromagnetics



ESADE (Sant Cugat del Vallès, Barcelona)

RFID elements:


 BiblioSelfCheck

 BiblioReturn

 Bibliowand

 StaffStation

 BiblioGates

 **Process:** Librarians prepare the tags for the collection.

 In the near future they want to implement RFID in ESADE Barcelona.



Museo Nacional del Prado Library

- 📖 It is an specialized library
- 📖 RFID implementation: 2009
- 📖 RFID system: NEDAP
- 📖 RFID system: Absyss
- 📖 RFID elements:
 - 📖 1 BiblioSelfCheck
 - 📖 1 Quickscan
 - 📖 1 BiblioGates
 - 📖 2 Staff Stations
 - 📖 1 video camera
- 📖 Collection: 30.000 items.



RFID in Spanish libraries. Near future

- 📖 Salamanca Public Library has already bought this technology.
- 📖 Universidad Politécnica de Valencia has started the implementation in the Gandía Campus.
- 📖 Some universities in Sevilla, Bilbao, Barcelona, etc., are interested in this technology.
- 📖 Institutions with RFID implemented in part of their libraries want to continue the implementations:
 - 📖 **CSIC wants to implement RFID in different libraries in Barcelona, Madrid and Granada.**
 - 📖 **UAM wants to implement Science Library and Economy and Medicine libraries**
 - 📖 **ESADE wants to include de Barcelona campus**

RFID in Spanish libraries. Near future

📖 But ... we are in “crisis”.

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Esade: <http://www.esade.edu/>

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Thank you very much

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